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Aerial Photographs in Geologic Interpretation and Mapping. *This publication deals with the use of aerial photographs to obtain qualitative and quantitative geologic information, and instrument procedures employed in compiling geologic data from aerial photographs.* 1960, reprinted 1977. 230 p. il.
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Age and Correlation of California Paleogene Benthic Foraminiferal Stages. 1980. 8 p. il.
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Age and Structural Significance of Ophiolite and Adjoining Rocks in the Upper Chulitna District, South Central Alaska. 1980. 21 p. il., page of plates, plate in pocket.
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Alkalic Rocks and Resources of Thorium and Associated Elements in the Powderhorn District, Gunnison County, Colorado. 1981. 38 p. il.
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Amount and Timing of Late Cenozoic Uplift and Tilt of the Central Sierra Nevada, California: Evidence From the Upper San Joaquin River Basin. 1981. 32 p. il.
S/N 024-001-03397-6 2.25

Antarctic Bibilography, Volume 10. *Publication presents abstracts and indexes of current Antarctic literature arranged in thirteen subject categories: general, biological sciences, cartography, expeditions, geological sciences, ice and snow, logistics, equipment and supplies, medical sciences, meteorology, oceanography, atomospheric physics, terrestial physics, and political geography.* 1979. 498 p. LC 33.9:10 S/N 030-018-00020-6 13.00

Antarctic Journal of the United States. (Quarterly, March, June, September, and December, with October Annual Review Issue.) Subscription price: Domestic - $7.50 a year; Foreign - $9.40 a year. Quarterly Issue: Domestic - $1.00 a copy; Foreign - $1.25 a copy. Annual Review Issue: Domestic - $5.50 a copy; Foreign - $6.90 a copy. [AJUS]
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Application of Space Technology to Crustal Dynamics and Earthquake Research. 1979. 257 p. il.
NAS 1.60:1464 S/N 033-000-00775-2 $ 6.00

Arctic Stream Processes: An Annotated Bibliography. *This bibliography sectively summarizes investigations to date (1978) dealing with the physical processes of streams in the Arctic. The specialized annotations include aspects of stream processes described in subordinate parts of general papers on the Arctic environment and therefore not evident in author-abstract bibliographies.* 1979. 78 p. il.
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ARPA-Bureau of Mines Rock Mechanics and Rapid Excavation Program, A Research Project Summary. 1975. 191 p.
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Ash-Flow Tuffs of the Galiuro Volcanics in the Northern Galiuro Mountains, Pinal County, Arizona. 1979. 32 p. il.
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Assateague Island, National Seashore, Maryland and Virginia. 1980. 175 p. il. I 29.9/5:106 S/N 024-005-00776-8 4.95

Atlas of Volcanic Phenomenia. *Volcanoes are among the most spectacular and awe-inspiring wonders of nature. Geologists study volcanoes because, as "windows", they provide a glimpse of the forces of nature at work deep within the Earth. Much of what has been learned about the origin and nature of volcanoes is described and illustrated on these twenty 16 x 20 inch sheets. They are full-color reproductions of 4 x 5 foot display panels prepared by the United States Geological Survey for use by the Smithsonian Institution's Traveling Exhibition Service. Some of the sheets are: Distribution and Environment of Volcanoes; Ash Flows; Submarine Volcanoes; Hawaiian Volcanic Processes and Products; and Geysers, Solfataras, and Hot Springs, Types of Volcanic Eruptions.* 1973. Set of 20 plates.
I 19.2:V 88/4 S/N 024-001-01202-2 12.00

Bambuta Phosphate Deposit: A Reconnaissance Report. *This publication describes and illustrates a deposit of iron and aluminum phosphates of at least 1.5 million tons containing 28 percent P_2O_5.* 1979. 26 p. il.
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Barrier Islands of the Atlantic and Gulf Coasts of the United States: An Annotated Bibliography. *Publication contains descriptive information on the physical features and the fish and wildlife resources of the Barrier Islands along the Atlantic and the Gulf of Mexico coasts.* 1978. 215 p.
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Basic Concepts for Computerized Image Processing for Geologists. *Provides a descriptive introduction to the terms and basic concepts of a computerized digital image processing system designed for geologic research. Includes a glossary of terms.* 1979. 16 p. il., 4 plates.
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Bedrock and Geology and Ore Deposits of Palmer Quadrangle, Marquette County, Michigan. 1975. 159 p. il., 8 plates in pocket. I 19.16:769 S/N 024-001-02668-6 7.50

Biological Investigations in the Guadalupe Mountains National Park, Texas: Proceedings of a Symposium Held at Texas Tech University, Lubbock, Texas, April 4-5, 1975. 1979. 442 p. il.
I 29.91:4 S/N 024-005-00744-0 5.50

Bibliography of Geology and Hydrology, San Juan Basin, New Mexico, Colorado, Arizona, and Utah. 1979. 123 p. il.
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Bibliography of North American Geology, 1969. *This bibliography includes a subject index. This is the only edition of the bibliography currently in print.* 1972. 1434 p.
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Bibliography of the Geology and Hydrology of the Albuquerque Greater Urban Area, Bernalillo and Parts of Sandoval, Santa Fe, Socorro, Torrance, and Valencia Counties, New Mexico. 1978. 31 p. il. I 19.3:1458 S/N 024-001-03100-1 1.50

Boulder Creek Batholith, Front Range, Colorado. *This publication is a study of differentiation, assimilation, and origin of a granodiorite batholith showing interrelated differences in chemistry and mineralogy in the batholith and cogenetic rock types.* 1980. 88 p. il.
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Boundaries of the United States and the Several States, With Miscellaneous Geographic Information Concerning Areas, Altitudes, and Geographic Centers. Rev. 1976. 191 p. il., maps.
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Calcareous Nannoplankton and Stratigraphy of Late Turonian, Coniacian, and Early Santonian Age of the Eagle Ford and Austin Groups of Texas. *This report covers a discussion of the stratigraphy of the area, the descriptions and illustration of the calcareous nannoplankton flora, their occurrence, range zones, and biostratigraphic significance.* 1981. 103 p. il., 16 plates. I 19.16:1075 S/N 024-001-03404-2 5.50

Carboniferous Microfacies, Microfossils, and Corals, Lisburne Group, Arctic Alaska. *A description of carboniferous foraminifera and algae with biostratigraphic notation, their relationship to carbonate facies, comparison with coral distribution, and correlations among northern Alaska, western Europe, and the midcontinent region of North America.* 1977. 144 p. il., 55 plates.
I 19.16:849 S/N 024-001-02980-4 5.50

Cenozoic Rocks: A Discussion to Accompany the Geologic Map of the United States. 1978. 82 p. il.
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Cenozoic Stratigraphic and Structural Framework of Southwestern Utah. 1979. 22 p. il.
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Channel and Dynamic Flow Characteristics of the Chattahoochee River, Buford Dam to Georgia Highway 141. 1980. 66 p. il.
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Changes in Stratigraphic Nomenclature by the United States Geological Survey: *These publications provide alphabetical listings of changes in stratigraphic nomenclature, and provides bibliographic references for each change.*

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Chemical Correlation of Some Late Cenozoic Tuffs to Northern and Central California by Neutron Activation Analysis of Glass and Comparison With X-ray Fluorescence Analysis. 1979. 15 p. il.
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Chronological Narrative of the 1969-71 Mauna Ulu Eruption of Kilauea Volcano, Hawaii. *Describes and illustrates the longest, most voluminous, and most varied flank eruption in Kilauea's recorded history.* 1979. 55 p. il., 4 leaves of plates in pocket.
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Classification, Standards of Accuracy, and General Specifications of Geodetic Control Surveys, 1974 and Specifications to Support Classification, 1980. 1980. 2 Books. 68 p. il., sold as a set.
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S/N 003-017-00492-9 3.75

Clay Mineralogy of Pleistocene Lake Tecopa, Inyo County California. *Describes a saline lake with ph above 8.5 authigenic sepiolite and detrital lithium-bearing saponite in mudstones which lithium-interlayered with volcanic tuffs.* 1979. 34 p. il.
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Coastal Mapping Handbook. 1978. 199 p. il.
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Comparison of Two Atlantic Type Continental Margins. 1980.
24 p. I 19.16:1167 S/N 024-001-03329-1 $ 2.50

Composition and Properties of the Pierre Shale and Equivalent Rocks, Northern Great Plains Region. 1980. 116 p. il., plates in pocket. I 19.16:1064-B S/N 024-001-03348-8 5.50

Compositional Structures in Two Batholiths of Circumpacific North America. *A mathematical analysis of chemical data on 386 samples of granitic rocks from the Sierra Nevada and Alaska-Aleutian Range batholiths, and discussion of the petrogenetic-implications of the results.* 1979. 31 p. il.
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Critical Laboratory and Field Evaluation of Selected Surface Prospecting Techniques for Locating Oil and Natural Gas. *This publication discusses Project Halo in geochemical exploration for oil and gas.* 1979.
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Deformation of the Roberts Mountains Allochthon in North-Central Nevada. *A study of minor and major structures of the Allochthon Battle Mountain and in the southern Tuscarora Mountains.* 1978.
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Descriptions and Analyses of Eight New United States Geological Survey Rock Standards. 1976. 192 p. il.
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Desert (Large Poster). 1980. Poster, 39 x 29 in.
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Diagenesis and Stratigraphy of the Lisburne Group Limestones of the Sadlerochit Mountains and Adjacent Areas, Northeastern Alaska. *Biostratigraphy and depositional environments of the Lisburne Group, with a detailed account of the relative age of diagenetic events affecting carbonate rocks and an analysis of the resultant mineralogical changes.*
1975. 59 p. il. I 19.16:857 S/N 024-001-02658-9 2.25

Dictionary of Alaska Place Names. *Principal names listed conform with nomenclature established through decisions of the United States Board on Geographic Names or are recognized by the board as standard for Federal maps and other publications.* 1967, reprinted 1971. 1084 p. il., 12 maps. Clothbound.
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Differentiation of a Gabbro Sill in the Oregon Coast Range by Crystallization-Zone Settling. *This report is a product of geological mapping and petrochemical studies of volcanic and intrusive rocks of the Oregon coast range.* 1981. 26 p. il.
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Earthquakes. *Discusses earthquakes in history, location of earthquakes, the nature of earthquakes, measuring earthquakes and the prediction of earthquakes.* 1978. 19 p. il.
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Earthquake History of the United States. *A history of prominent earthquakes through 1970, this publication lists and describes earthquakes by region and State, providing maps and photographs to illustrate the text. Explanations of terms and tabular data have also been included to assist the reader in understanding earthquake theory.* Rev. 1973. 208 p. il.
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1971-76 Supplement to the above. 1979. 41 p. il., leaf of plates.
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Earthquake Information Bulletin. (Bimonthly.) *Provides current information on earthquakes and seismological activities of interest to both general and specialized readers.* Subscription price: Domestic - $7.00 a year; Foreign - $8.75 a year. Single copy price: Domestic - $1.20 a copy; Foreign - $1.50 a copy. [EIB] (File Copy 2N)
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Earthquake Prediction and Hazard Mitigation Options for USGS and NSF Programs, September 15, 1976. *Presents options for augmenting the earthquake-related research programs of the United States Geological Survey and the National Science Foundation.* 1977. 76 p. il.
NS 1.2:Ea 7/2 S/N 038-000-00332-1 1.90

Earthquake Research and Knowledge, Hearing Before the Aeronautical and Space Sciences Committee, Senate, 94th Congress, 1st Session, April 26, 1975. 1975. 261 p. il.
Y 4.Ae 8:Ea 7 S/N 052-070-03061-5 2.45

Economic Analysis of Selected Strategies for Dissolved Oxygen Management: Chattahoochee River, Georgia. 1980. 26 p. il.
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Effects of Coal Mine Subsidence in the Sheridan, Wyoming Area. *This publication summarizes geology, subsidence, and other effects of past and present mining as related to the environment, coal resource management, and land use in the Sheridan, Wyoming area. Supplemental information is included from Beulah, North Dakota; Decker, Montana; Somerset, Colorado; and Raton, New Mexico.* 1980. 49 p. il.
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Effects of Highway Construction on Sediment Discharge Into Blockhouse Creek and Steam Valley Run, Pennsylvania. 1980. 56 p. il.
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Electromagnetic Coupling With a Collinear Array on a Two-Layer Anisotropic Earth. *A study of the effects of electromagnetic coupling in dipole-dipole and pole-dipole induced polarization field measurements, with evaluation of a coupling-removal technique.* 1979. 26 p. il. I 19.16:1077 S/N 024-001-03169-8 1.50

Elements in Fruits and Vegetables From Areas of Commercial Production in the Conterminous United States. *This paper is a biogeochemical study of selected food plants based on field sampling of plant material and soil in the states of: Arizona, California, Colorado, Florida, Idaho, Michigan, New Jersey, New York, Texas, and Washington.* 1980. 149 p. il. I 19.16:1178 S/N 024-001-03317-8 5.00

Energy From Geothermal Resources. 1978. 165 p. il.
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Environmental Planning and Geology. *Proceedings of the Symposium on Engineering Geology in the Urban Environment, arranged by the Association of Engineering Geologists for their October 1969 national meeting in San Francisco.* 1971. 204 p. il.
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Eocene Rocks, Fossils, and Geologic History, Teton Range, Northwestern Wyoming. 1978. 40 p. il., 4 leaves of plates in pocket.
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Erosion, Sediment Discharge, and Channel Morphology in the Upper Chattahoochee River Basin, Georgia: With a Discussion of the Contribution of Suspeneded Sediment to Stream Quality. 1980. 85 p. il. I 19.16:1107 S/N 024-001-03305-4 4.00

ERTS 1: The Earth Resources Technology Satellite (ERTS) Represents the First Steps in Merging Space and Remote-Sensing Technologies Into a System for Inventorying and Managing the Earth's Resources. *It is a good example of applying the scientific and technological methodology gained from the nation's space program to the solution of global environmental, natural resources, food, and energy problems. Examples presented in this book show ERTS' vast potential for inventory resources, monitoring environmental conditions, and measuring changes. Also discussed are applications to cartography, geophysics, oceanography, agriculture and much more.* 1976. 362 p. il.
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Evaluation of the Geologic and Hydrologic Factors Related to the Waste-Storage Potential of Mesozoic Aquifers in the Southern Part of the Atlantic Coastal Plain, South Carolina and Georgia. 1979. 37 p. il. Issued in portfolio with 11 plates.
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Exploring the Olympic Seashore. *This publication explains the intertidal marine life along the coastal strip of Olympic National Park, the tides, the offshore island, and the Ozette Village archaeological site.* 1980. 30 p. il.
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Factors That Localized Uranium Deposition in the Dakota Sandstone, Gallup and Ambrosia Lake Mining Districts, McKinley County, New Mexico. *Describes geologic studies which were made at all of the uranium mines and prospects in the Dakota Sandstone of early and late cretaceous age in the Gallup mining district.* 1980. 31 p. il.
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Feasibility and Coast of Using a Computer to Prepare Landslide Susceptibility Maps of the San Francisco Bay Region, California. 1978. 27 p. il., plate in pocket.
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Fission-Track and K-AR Ages of Natural Glasses. *This publication is a study of the problems associated with fission-track dating of glass, both obsidian and tektite.* 1980. 31 p. il.
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Flathead Tunnel: Geologic, Operations, and Ground Support Study, Burlington Northern Railroad, Salish Mountains, Montana. 1974, published 1975. 98 p. il., map in pocket.
I 28.27:8662 S/N 024-004-01719-8 2.55

Flathead Deposits of the San Francisco Bay Region, California: Their Geology and Engineering Properties, and Their Importance to Comprehensive Planning. 1979. 88 p. il., 3 plates.
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Flood-Prone Areas and Land-Use Planning: Selected Examples From the San Francisco Bay Region, California. 1977. 75 p. il.
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Fluorspar Resources of Africa. *This publication describes and illustrates the geologic setting, production, reserves, outlook for future supply, and relation of fluorspar deposits to rift structures and carbonatites.* 1980. 25 p. il.
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Foraminefera From the Kara and Greenland Seas, and Review of Arctic Studies. *This publication analyses 111 species of sparse and erratic fauna of low diversity and strong dominances from the continental shelf of both seas and from slopes, basins, and rises of the greenland sea.* 1980. 30 p. il.
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Gem Stones of the United States. 1957, reprinted 1976. 50 p.
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General Study of the Modified Einstein Method of Computing Total Sediment Discharge. 1980. 67 p. il.
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Geochemical Reconnaissance Using Heavy Minerals From Small Streams in Central South Carolina. 1976. 23 p. il., 5 maps in pocket.
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Geochemical Survey of Waters of Missouri. 1979. 78 p. il.
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Geochemistry of Bedrock Units in Missouri and Parts of Adjacent States. *Provides an examination of geochemical variability in rocks of Paleozoic and Precambrian ages.* 1980. 55 p. il.
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Geochemistry of Ground Water Associated With Tuffaceous Rocks, Oasis Valley, Nevada. 1979. 32 p.
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Geochemistry of Loess and Carbonate Resiouum. 1980. 36 p. il.
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Geographic Analysis of Fenwick Island, Maryland: A Middle Atlantic Coast Barrier Island. *The purpose of this publication is to summarize the current information on barrier-island dynamics and to describe some of the hazards associated with living on barrier-islands.* 1980. 24 p. il. I 19.16:1177-A S/N 024-001-03275-9 2.75

Geohydrolic Impacts of Coal Distribution in the Narragansett Basin, Massachusetts and Rhode Island. 1979. 40 p.
I 19.13:2062 S/N 024-001-03161-2 $ 1.60

Geologic and Paleocologic Studies of the Nebraska Sand Hills 1980. 38 p. il., 2 plates.
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Geologic Approach to Artificial Recharge Site Selection in the Fresno-Clovis Area, California. *This paper presents a methodology for using surface and subsurface sedimentary geology to identify and locate recharge sites in alluvial sediments.* 1980. 73 p. il.
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Geologic Evaluation of Waste-Storage Potential in Selected Segments of the Mesozoic Aquifer System Below the Zone of Fresh Water, Atlantic Coastal Plain, North Carolina Through New Jersey. 1976. 47 p. il., 10 maps in portfolio.
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Geologic History of Cape Cod, Massachusetts. 1980. 23 p. il.
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Geologic Retrieval and Synopsis Program (GRASP): A Portable Data Retrieval System Requiring Minimal User Training. 1975. 87 p.
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Geological Story of the:

Arches National Park. 1974. 118 p.
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Canyonlands National Park. 1974. 126 p. il.
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Great Plains. 1980. 64 p. il.
I 19.3:1493 S/N 024-001-03381-0 4.50

Geologic Studies in White Pine County, Nevada. *Contents of publication: 1) 1158-A, Subsidies and Strontium in Hybrid Granitoid Rocks, Southern Snake Range, Nevada; 2) 1158-B, Composition of Calcium-Poor Quartzites of Late Precambrian and Early Cambrian Age From Eastern White Pine County, Nevada; and 3) 1158-C, a Radiometric Age Study of Mesozoic-Cenozoic Metamorphism in Eastern White Pine County, Nevada and Nearby Utah.* 1980. 28 p. il.
I 19.16:1158-A, B, C S/N 024-001-03270-8 3.00

Geological Survey Annual Report:

1978. 1979. 208 p. il.
I 19.1:978 S/N 024-001-03178-7 5.50

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Geological Survey Annual Report:

1980. 1981. 143 p. il.
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Geological Survey Research. *Summaries of recent significant scientific and economic results, accompanied by lists of geologic and hydrologic investigations in progress, and reports on the status of topographic mapping.* 1979. 1980. 460 p. il.
I 19.16:1150 S/N 024-001-03328-3 9.50

Geology and Energy Resources of the Sand Butte Rim NW Quadrangle Sweetwater County, Wyoming. 1979. 54 p. il., leaf of plates in pocket. I 19.16:1065-A S/N 024-001-03183-3 2.50

Geology and Mineral Resources of the:

Cooper Ridge Northeast Quadrangle, Sweetwater County, Wyoming. 1979. 45 p. il., 3 plates.
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Karalar-Yesiller Area, Northwest Anatolia, Turkey. *This publication describes and illustrates an area of volcanic, metamorphic, and sedimentary rocks intruded, faulted, and mineralized in the Neogene period.* 1980. 72 p. il.
I 19.3:1461 S/N 024-001-03333-0 3.50

Lemhi Pass Thorium District, Idaho and Montana. 1979. 90 p. il., 2 plates. I 19.16:1049-A S/N 024-001-03208-2 4.75

North Absaroka Wilderness and Vicinity, Park County, Wyoming. *Publication includes sections on mineralization of the Sunlight Mining Region and Geology and Mineralization of the Cooke City Mining District by James E. Elliot, and a section on Aeromagnetic survey by Donald L. Peterson. This publication provides an evaluation survey by the mineral potential of the North Absaroka wilderness area.* 1980. 101 p. il.
I 19.3:1447 S/N 024-001-03271-1 4.50

Mud Springs Ranch Quadrangle, Sweetwater County, Wyoming. 1979. 35 p. il., 3 plates.
I 19.16:1065-C S/N 024-001-03236-8 5.50

Geology and Origin of the Chilean Nitrate Deposits. 1981. 41 p. il.
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Geology and Thermal History of Mammoth Hot Springs, Yellowstone National Park, Wyoming. 1978. 55 p. il., plate in pocket.
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Geology of Caves. *Comprising a brief introduction to the study and exploration of caves, this pamphlet tells what you can expect to find in a cave and how it probably got there. Additional information includes the geologic history of typical caves, present and anticipated cave utilization, and tips on cave exploration.* 1977, reprinted 1980. 19 p. il. I 19.2:C 31 S/N 024-001-02950-2 1.75

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Apollo 14 Landing Site in the Fra Mauro Highlands. 1976, published 1977. 103 p. il., 6 plates in pocket.
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I 19.16:1111 S/N 024-001-03222-8 3.75

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Hydrothermal System of Long Valley Caldera, California. 1978. 60 p. il., map in pocket.
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Jurassic Paleobiogeography of the Conterminous United States in Its Continental Setting. *Describes paleogeographic changes in the United States during Jurassic time that are revealed by distribution, succession, and differentiation of molluscan faunas; by gross stratigraphic changes; by the position, extent, and duration of unconformities; and by comparisons with Jurassic dates elsewhere in North America.* 1980. 134 p. il.
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Lead in the Environment. *A compilation of papers on the abundance and distribution of lead in rocks, soils, plants, and the atmosphere, and on methods of analysis for lead used by the Geological Survey.* 1976. 94 p. il. I 19.16:957 S/N 024-001-02911-1 4.00

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Marquette Range Supergroup in the Gogebic Iron District, Michigan and Wisconsin. *Provides a geologic description of the Precambrian X Strata, particularly the Ironwood Iron-formation, and of the relationship between ore location and variations in sedimentary facies and metamorphic grade.* 1980. 96 p. il.
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Mineral Resources of the: These Mineral and Geophysical Surveys Evaluate the Mineral Potentials of the Wilderness and Primitive Areas Named in Each Title.

Baretooth Primitive Area and Vicinity: Carbon, Park, Stillwater, and Sweet Grass Counties, Montana, and Park County, Wyoming. 1979. 125 p. il., 2 plates in pocket.
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Cabinet Mountains Wilderness, Lincoln and Sanders Counties, Montana. 1981. 83 p. il., 2 maps in pocket.
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Study Areas Contiguous to the Uncompahgre Primitive Area, San Juan Mountains, Southwestern Colorado. 1977. 126 p. il., 3 plates.
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Minerals, Lands, and Geology for the Common Defence and General Welfare: Volume 1, Before 1879. *Focuses on events in the United States before the establishment of the United States Geological Survey, during the years in which geology evolved as a science and began to influence economic development and national policy.* 1980. 331 p. il. I 19.2:M 66/9/v.1 S/N 024-001-03151-5 $ 6.00

Mississippian and Pennsylvanian (Carboniferous) Systems in the United States. *A collection of 12 individual Geological Survey Professional Papers which constitute a historical review and summary of area, stratigraphic, structural, and economic geology of Mississippian and Pennsylvanian rocks.*

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Mixed-Layer Clay in the Pierre Shale and Equivalent Rocks, Northen Great Plains Region. *Publication describes X-ray diffraction techniques for interpretation of mixed-layer illite-smectite clay chemical composition of the clay, and its developmental history.* 1978. 28 p. il. I 19.16:1064-A S/N 024-001-03115-9 1.60

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Mount Belknap and Red Hills Calderas and Associated Rocks, Marysvale Volcanic Field, West-Central Utah. *Describes the rocks, eruptive history, and inferred subvolcanic environment associated with the formation of the Mount Belknap and Red Hills calderas.* 1979. 34 p. il. I 19.3:1468 S/N 024-001-03175-2 2.00

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Number 6, Antarctic Program. *Contents of publication: Forward; Program status update since last review; Ocean sciences and biology; Earth sciences, glaciology, meterology, and upper atmosphere physics; Conclusion.* 1979. 48 p. il. NS 1.37:3/6 S/N 038-000-00425-5 2.50

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Nature to be Commanded: Earth Science Maps Applied to Land and Water Management. *This publication demonstrates the value of Earth science information in land and water management by showing how Earth science maps have been used in making plans and decisions in a variety of urban settings. Sample areas in California, Arizona, Colorado, Connecticut, New York, and Virginia are described.* 1978. 97 p. il. I 19.16:950 S/N 024-001-03011-0 $ 7.00

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Ordovician and Siluraian Phi Kappa and Trail Creek Formations, Pioneer Mountains, Central Idaho: Stratigraphic and Structural Revisions, and New Data on Graptolite Faunas. 1980. 54 p. il., 5 plates, plate in pocket. I 19.16:1090 S/N 024-001-03320-8 4.00

Ore Deposits of the Gilman District, Eagle County, Colorado. *Describes the ore deposits and geologic setting of a mining district that is the leading source of zinc in Colorado and an important source of silver, copper, lead, and gold.* 1978. 90 p. il., 2 plates. I 19.16:1017 S/N 024-001-03098-5 8.00

Paleotectonic Investigations of the Mississippian System in the United States. 1979. 559 p. il., 23 plates in portfolio. 3 parts, sold as a set. I 19.16:1010/pt.1-3 S/N 024-001-03200-7 29.00

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Paleozoic and Mesozoic Deformations in the Central Sierra Nevada, California. 1980. 24 p. il. I 19.16:1145 S/N 024-001-03293-7 2.75

Palezoic Mesozoic Boundary in the Berry Creek Quadrangle, Northwestern Sierra Nevada, California. *This publication deals with the petrologic and structural study of metamorphic rocks.* 1977. 22 p. il., map in pocket. I 19.16:1027 S/N 024-001-03009-8 $ 1.90

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Petrology, Structure, and Genesis of the Asbestos-Bearing Ultramafic Rocks of the Belvidere Mountain Area in Vermont. *A study of some ultramafic igneous rocks; of their alteration products: serpentinite, chrysotile asbestos, steatitie, talc-carbonate rock, and carbonate-quartz rock; and of contact rock associations.* 1978. 95 p. il., 5 plates in pocket. I 19.16:1016 S/N 024-001-03128-1 4.75

Physical Results of Research Drilling in Thermal Areas of Yellowstone National Park, Wyoming. 1975. 70 p. il.
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Physical Stratigraphy of the Genesee Formation (Devonian) in Western and Central New York: Stratigraphy and Conodonts of the Genes Formation (Devonian) in Western and Central New York. *This booklet describes the thinning by transgression of the Genesee Formation, west of Cayuga Lake, on the Algonquin Arch, as shown by stratigraphic sections and biostratigraphy.* 1978. 22 p. il., 7 plates in portfolio. I 19.16:1032-A S/N 024-001-03087-0 7.00

Pleistocene Geology of Amchitka Island, Aleutian Islands, Alaska. 1980. 38 p. il. I 19.3:1478 S/N 024-001-03335-6 2.25

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Preliminary Correlation of Post-Erie Interstadial Events (16,000-10,000 Radio Carbon Years Before Present), Central and Eastern Great Lakes Region. *Provides a correlation of glacial and proglacial lakes, glacial tills, and moraines, and related features from eastern Wisconsin to western Vermont and Quebec.* 1980. 52 p. il., 2 plates in pocket. I 19.16:1089 S/N 024-001-03289-9 4.50

Preliminary Determination of Epicenters. (Monthly.) Subscription price: Domestic - $10.00 a year; Foreign - $12.50 a year. Single copy price: Domestic - $1.25 a copy; Foreign - $1.60 a copy. [PRDE] (File Code 2M)
I 19.66:

Principal Gold-Producing Districts of the United States. *Descriptions of the geology, mining history, and production of major gold mining districts in 21 states.* 1968. 283 p. il.
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Principle Unconformities in Triassic and Jurassic Rocks, Western Interior United States: A Preliminary Survey. *Describes and illustrates nine widespread unconformities in Triassic and Jurassic rocks.* 1978. 29 p. il., map in pocket.
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Procedures for Estimating Earthquake Ground Motions. *A review of the current procedures used for specifying earthquake ground motion for applications such as siting and design of nuclear powerplants, hospitals, dams, schools, city and land use planning, disaster planning, building codes, and insurance evaluation.* 1980. 90 p. il.
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Prospecting for Gold in the United States. 1976, reprinted 1980. 19 p. il.
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Quantitative Land-Capability Analysis: Selected Examples From the San Francisco Bay Region, California. 1979. 115 p. il.
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Recent Eruptive History of Mount Hood, Oregon, and Potential Hazards From Future Eruptions. *This study provides an assessment of expectable kinds of future eruptions and their possible effects on human lives and property based on Mount Hood's eruptive behavior during the last 15,000 years.* 1980. 81 p. il., map in pocket.
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Recent Surface Movements in the Baldwin Hills, Los Angeles, California. *A study of surface deformation associated with oil-field operations.* 1976. 125 p. il., 4 plates in pocket.
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Reconnaissance Geology of: Chichagof, Baranof, and Kruzof Islands, Southeastern Alaska. 1975. 105 p. il., 4 plates in pocket.
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Regional Metamorphism in the Condrey Mountain Quadrangle, North-Central Klamath Mountains, California. 1979. 25 p. il.
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Regional Surface Wind Model for Mountainous Coastal Areas. 1979. 34 p. il. C 55.13:ERL 407-PMEL 32 S/N 003-017-00461-9 2.00

Relation of the Carbon/Oxygen Ratio in Coal Igneous Intrusions in the Summerset Coal Field, Colorado. *This publication is a study of the carbon-to-oxygen ratio in coals metamorphosed to higher than normal rank by igneous plutons.* 1980. 20 p. il. plate.
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Relative Slope Stability and Land-Use Planning in the San Francisco Bay Region, California. *This report is a product of the San Francisco Bay Region Environment and Resources Planning Study, an experimental study designed to facilitate the use of Earth science information in regional planning and decision making.* 1979. 96 p. il., 3 plates.
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Revised Nomenclature and Stratigraphic Relationships of the Fredericksburg Complex and Quantico Formation of the Virginia Piedmont. 1980. 29 p., plate in pocket.
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River and the Rocks: The Geologic Story of Great Falls and the Potomac River Gorge. 1980. 75 p. il.
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Rubidium Strontium Geochronology and Plate-Tectonic Evolution of the Southern Part of the Arabian Shield. 1980. 42 p. il.
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Safety and Survival in an Earthquake. *This publication describes and illustrates the damage caused by earthquakes and contains suggestions for taking measures that can reduce the dangers created by earthquakes before, during, and after these occur.* 1976. folder.
I 19.2:Ea 7/3/980 S/N 024-001-00001-6 1.50

San Fernando, California, Earthquake of February 9, 1971:

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